

SCHEFFER, V.

Introduction of the use of electrical carottage in the holes for prospecting coal in the territory of Komlo. p. 29. (Banyaszati Lapok, Vol. 12, No. 1, Jan 1957, Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

SCHEFFER, Viktor

Problém of the Transylvanian primary massif. Geofiz kozl
7 no.3/4:209-227 '58.

SCHEFFER, Viktor

Contribution to the problem of Hungary's "central massif."
Geofiz kozl 9 no.1/2:55-68 '60.

SCHEFFER, V.

Some contributions to the geophysical knowledge of the Carpathian
basins. Acta techn Hung 30 no.3/4:423-461 '60. (EEAI 10:4)

1. Hungarian Oil Trust, Budapest.
(Carpathian Mountains)

SCHEFFER, Viktor

Some geophysical aspects of the Flysch problem. Geofiz kozl 10
no.1/4:145-153 '62.

SCHEFFER, Viktor

Some geophysical problems of the regions in the Carpathian
Basins. Geofiz kozl 11 no.1/4:101-118 '62.

SCHEFFER, Viktor, dr., okleveles gépészmernok, a muszaki tudomanyok
doktora; DANK, Viktor, dr., okleveles geologus

~~Comparative analysis of gravitational and seismic data and~~
their relation to geologic formations in Hungary. Bany lap
96 no.10:676-680 0'63

1. Orszagos Koolaj - es Gazipari Troszy osztalyvezetoje,
Budapest.

L 11414-65 EWA(h)/EWT(1) Feb GW

ACCESSION NR: AT4045818

H/2504/64/047/03-/0409/0430 ^B

AUTHOR: Scheffer, V. (Sheffer, V.) (Doctor of technical sciences)

TITLE: Geophysical investigation of the geothermal zones of the earth ¹²

SOURCE: Academia scientiarum hungaricas. Acta technica, v. 47, no. 3-4, 1964. Series geodaetica et geophysica, v. 5, no. 3-4, 409-430

TOPIC TAGS: Carpathian seismology, Carpathian structural geology, Carpathian geologic map, crustal geothermal gradient

ABSTRACT: A crustal-thickness map of the Carpathian Basins has been constructed on the basis of seismological data obtained by a number of investigators. It is concluded from this map that the regional variations of the geothermic gradient in this area follow the changes in the thickness of the Earth's crust. Investigations of the gravitational anomalies, seismological relations, and heat-flow values of the remaining geothermal zones of the Earth may establish that in some locations the areas of abnormally high heat flow are related not to the elevated position of the Mohorovicic discontinuity but to relative heights in the upper discontinuity surfaces. Finally, the fact that

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certain of the Earth's geothermal zones are situated along deep faults of continental size proves that such zones were developed in areas of faults of this type. Orig. art. has: 13 figures.

ASSOCIATION: Hungarian Oil and Gas Industrial Trust, Budapest

SUBMITTED: 03Oct63

ENCL: 00

SUB CODE: ES

NO REF SOV: 002

OTHER: 045

Card 2/2

SCHEFFER, Viktor, dr., cinzetes egyetemi tanar, a muszaki tudomanyok doktora

The 75-year-old Eotvos pendulum. Bany lap 98 no.4:282-283 Ap '65.

1. National Petroleum and Gas Industry Trust, Budapest.

67584
POL/8-60-1-5/10

18.12.10

18(4)

AUTHOR: Scheffs, Stanisław
TITLE: Soldering of Aluminum and its Alloys
PERIODICAL: Technika Lotnicza 1960, Nr 1, p 17 - 23

ABSTRACT: This is the first part of a series in which the author presents in great detail results of recently carried out investigations on soldering aluminum and its alloys. Although the operation of soldering is extremely difficult it is being applied on an ever increasing scale in industry. The difficulties in soldering aluminum are caused by its physico-chemical properties due to which a thin layer of aluminium oxide forms and within a fraction of a second covers the fresh cuts. It adheres firmly to metal and removal of it, essential to good soldering, is very difficult. There are 4 ways of getting rid of this oxide film: a) mechanical cleaning of the metal surface under the molten solder, b) use of a

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Soldering of Aluminum and its Alloys

special sort of solder containing compounds dissolving the oxides, c) chemical removal by means of suitable fluxes, mixtures of metallic compounds dissolving the film, d) by ultrasonic treatment. There are two ways of soldering: "soft" at temperatures up to 350° C. and "hard" at temperatures above this figure, and three distinct methods of performing it: a) flux soldering, b) oven soldering and c) soldering by immersion. Chemical composition and melting temperatures of various solders are listed in tables 1 - 3. One of the best solders is zinc, because its seams are corrosion resistant. In tables 4 and 5 aluminium alloys are listed which are suitable for soldering. Soldering of magnesium alloys is still a technically unsolved problem. Only alloys containing a max. 1.5% of magnesium could be soldered satisfactorily. In the next part of the article the author deals with fluxes and their properties are shown in tables 6, 7 and 8. According to the

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Soldering of Aluminum and its Alloys

authors' opinion the best flux on the market, known as 34A, was invented in 1940 by a Russian scientist Candidate of Technical Science Iocmanov. Because of corrosion danger, removal of all, even minutest particles of fluxes after soldering is absolutely essential. Further the author discusses various ways of connecting aluminum alloy sheets and tubes by means of soldering, illustrated by several very instructive drawings. In the last part of this article corrosion resistance of soldered connections is discussed. There are 8 tables, 5 graphs and 5 figures.

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P/008/60/000/003/002/003
A105/A026

AUTHOR:

Scheffs, Stanisław

TITLE:

Soldering of Aluminum and Its Alloys - Part II

PERIODICAL: Technika Lotnicza, 1960, No. 3, pp. 77 - 87

TEXT: This is the second part of an article started in No. 1, 1960, p. 17 of this periodical, dealing with various soldering methods for light metals. The following 11 methods are described: friction soldering; chemical soldering with solders containing $ZnCl_2$, $SnCl_2$, NH_4Br , NH_4Cl and NaF ; furnace soldering; immersion soldering, used by the Glenn L. Martin Company, USA; a new method for low-temperature aluminum soldering requiring no flux is being tested; the following solders are used: Zn85, Cu5, Pb1.5, Sn0.5, Zn87, Al5, Pb5, Sn3, Zn90, Pb7, Sn3; supersonic soldering consists of 2 operations, i.e., zinc coating and joining of tin coated parts; the zinc coating may be done by ultrasonic burner or by dipping in soldering bath. The tin coating process consists of cleaning and heating with subsequent shunt excitation in fused solder. There are 3 figures, 14 photos, 4 tables and 16 references: 10 English, 3 German, 2 Soviet and 1 Polish.

Card 1/1

FRANK, Tibor; SZASZ, Marton; MARK, Ferenc; BOSNYAK, Tamas; LUGOSI, Karoly;
FEKETE, Istvan; TOMPOS, Karoly; KABDEBO, Kornel; JAVOR, Bela; SCHEFTSIK,
Jeno; VOGL, Ferenc; REITER, Gyorgy

Conference on the current tasks of the light industry workers. Munka
szemle 5 no.3:5-7 Mr '61.

1. Textilipari Muszaki Tudomanyos Egyesulet Ipargazdasagi Szakosztalya
titkara (for Frank). 2. Kispesti Textilgyar munkaügyi osztaly vezetője
(for Mark). 3. Konnyuipari Miniszterium Munkaügyi es Oktatasi Onallo Oszt-
talya vezetője (for Szasz). 4. Ujpesti Gyapjuszovogyar munkaügyi osztalya
vezetője (for Bosnyak). 5. Kender Juta es Textil Ipar munkaügyi osztaly
vezetője (for Lugosi). 6. Kobanyai Textilgyar munkaügyi osztalya vezetője
(for Fekete). 7. Konnyuipari Miniszterium Pamutipari Igazgatosaga mun-
kaügyi osztaly vezetője (for Tompos). 8. Magyar Pamutipar munkaügyi osz-
talya vezetője (for Kabdebo). 9. Majus 1 Ruhagyar munkaügyi osztalya
vezetője (for Javor). 10. Konnyuipari Miniszterium Len-Kenderipari Igaz-
gatosaga munkaügyi osztalya vezetője (for Scheftsik). 11. Ruhaipari
Tervezo Vallalat (for Vogl). 12. Goldberger Textilmuvek munkaügyi fozosz-
taly vezetője (for Reiter).

SCHEGERIN, Otto

Technical and economic study on the influence of the
electric current nature on manual arc welding. Constr mas
16 no. 2:84-87 F '64.

~~SHEILA, A.~~
SHEILA, A.

- Each other, Stille et al., Vol XIV, No 2, Feb 62
1. "Electronically Conducted Technological Processes,"
A. ENHRECH, ENHRECH and PAUL FALTA, ENHRECH pp 3-5.
 2. "The Hyperbole of Engineer Garin," T. ENHRECH, ENHRECH, ENHRECH pp 6-8.
 3. "Interpersonal Reproduction of Ideas," Conf. Unit
P. ENHRECH, ENHRECH, ENHRECH, ENHRECH (Facultative de
Stille ENHRECH); pp 10-11.
 4. "Beyond the Milky Way," T. H. ENHRECH, ENHRECH pp 12-13.
 5. "The Ancient Statement of Invention," ENHRECH ENHRECH
ENHRECH, ENHRECH, ENHRECH, ENHRECH (Laurent
at ENHRECH on ENHRECH); pp 14-15.
 6. "Silicon, the Discovery of Element 14," P. ENHRECH,
pp 16-18.
 7. "The Eye and the Light," Conf. Dr. W. S. ENHRECH, pp 19.
 8. "Comings for the Construction of Home," M. ENHRECH,
ENHRECH, ENHRECH pp 21-23.
 9. "A Few Words about the 'Swallow' of Motor Vehicles,"
H. ENHRECH, pp 22-23.
 10. "Science in the Service of Production," C. ENHRECH,
ENHRECH and H. ENHRECH, pp 24-25.
 11. "Giant Excavator," ENHRECH, ENHRECH, pp 26.
 12. "A Steep Pipe in the Night of the Middle Ages,"
ENHRECH, pp 27-28.
 13. "An Invention through the Roman Republic," ENHRECH,
ENHRECH, ENHRECH, ENHRECH pp 29-30 and 31.
 14. "The Fruits of Labor and Science," A. ENHRECH, ENHRECH,
pp 31-32.
 15. "The Movement of the Stone," ENHRECH, ENHRECH, ENHRECH,
ENHRECH pp 33-34.

R/007/60/011/010/003/003
A125/A026

AUTHORS: Scheianu, I., Engineer, and Grigorescu, D., Doctor

TITLE: Determination of the Refraction Index as an Accurate and Quick
Method for Analytical Control in the Production of High-Quality Oils

PERIODICAL: Petrol si Gaze, 1960, Vol. 11, No. 10, pp. 472-475

TEXT: The authors investigated this important problem in the production of high-quality oils. This method can be used in the fractional distillation of oils, in selective dissolution of oils with furfural and in paraffin and petrolatum extraction. At fractional distillation, the refraction index of oils is considerably increased and can then be determined in two minutes. The accuracy of this operation is valid as long as the same type of raw material is used in the installation. The selective dissolution of oils with furfural can be checked by continuously determining the refraction index of the raw-material, of the refined oil and the respective extracts. The checking of the dissolution by the density and refraction-index method is presented in Table 1. Between the density and the corresponding refraction index there is a constant parallelism. The determination of the refraction index lasts only two minutes. It is accomplished with an Abbe refractometer. The values of the refraction index can be

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A125/A026

Determination of the Refraction Index as an Accurate and Quick Method for Analytical Control in the Production of High-Quality Oils

used for constantly watching the efficiency of the dissolving installation. The paraffin extraction increases the refraction index of the oils. Table 2 compiles the refraction indexes determined in a paraffin extraction plant with rotary filters. The degree of the reduction of the oil content in paraffin is indicated by a decrease of the refraction index, as shown in Table 3. The proportion of methyl-ethyl cetone in the mixture of solvents can be determined with an accuracy of $\pm 0.2\%$. Benzene and toluene have very similar refraction indexes. Thus, the determination of methyl-ethyl cetone - benzene - toluene solvent can be accomplished by determining the refraction index of the solvent and establishing the content of methyl-ethyl cetone based on Table 4. This operation lasts 1-2 minutes. Finally, the authors present a few other possibilities of determining the refraction index, i.e., at extraction of benzene and toluene in the "Edeleanu" installation of the Rafinaria No 2 (#2 Refinery), determination of the homogeneity of petroleum products, etc. There are 4 tables.

ASSOCIATION: Rafinaria No. 3, (#3 Refinery) in Teleajen

SUBMITTED: June 8, 1960

Card 2/2

SCHEIANU, I., ing.; GRIGORESCU, D., dr.; VASILIU, C., ing.

Utilization of catalyzers in producing bitumens by air oxidation.
Petrol si gaze 12 no.6:267-269 Je '61.

1. Laboratorul Rafinariei nr.3, Ploiesti.

PESCARU, Gh., ing.; SCHEIANU, I., ing.

Attempts at selective refining by furfurole of oils obtained from nonparaffinic raw materials. Petrol si gaze 12 no.8:371-373 Ag '62.

1. Rafinaria nr3, Ploiesti.

PESCARU, Gh., ing.; SCHEIANU, I., ing.

Experiments in selective refining of oils obtained from
nonparaffin raw materials by furfurole. Petrol si gaze 12
no.8:371-373 Ag '61.

1. Rafinaria nr. 3, Floiesti.

SCHEIANU, I., ing.; CRISTOLOVEANU, E., ing.

Obtaining light-colored ceresin with a high melting point. Petrol si
gaze 14 no.11:571-575 N 63.

CRETULESCU, G., dr. ing.; SCHEIANU, I., ING.

Contributions to the production of a special lubricant for
hearings. Constr mas 15 no.5:382-383 My '63.

SCHEIBEL, Pal, dr.

Scrotal carcinoma. *Magy. sebészeti* 7 no.2:138 Apr 54.

1. A Szabolcs Állami Kórház Urológiai Osztályának közleménye.
(SCROTUM, neoplasma
surg.)

SCHEIBER, Eszter; KAKOSY, Tibor; GLAZ, Ervin

Effect of antigunoid drugs on the yeast cells in the intestines of mice. Biol orv kozl MTA 11 no.4:477-483 '60. (EEAI 10:5)

1. Budapesti Orvostudományi Egyetem Gyógyszertani Intézete.
(INTESTINES)
(FUNGI)
(ANTIBIOTICS)

GLAZ, E.T.; SCHEIBER, Eszter; JARFAS, Katalin

Studies on a new antifungal antibiotic. Acta physiol.hung. 18 no.3:
225-232 '60.

1. Institute of Pharmacology, Medical University, Budapest.
(ANTIBIOTICS pharmacol)
(ANTIBIOTICS)

SCHEIBER, Esther; KAKOSY, T.; GLAZ, E.T.

Effect of antifungal agents on the faecal yeast flora of mice.
Acta microb. hung. 8 no.2:173-179 '61.

1. Pharmacological Institute, University Medical School, Budapest.
(YEASTS pharmacology) (FUNGICIDES pharmacology)
(FECES microbiology)

BOHUS, Gabor (Novenytar, Budapest XIV, Hungary); GLAZ, Ervin T. (Budapest VIII, Ulloi ut 26, Hungary); SCHEIBER, Eszter (Budapest VIII, Ulloi ut 26, Hungary)

The antibiotic action of higher fungi on resistant bacteria and fungi.
Acta biol Hung 12 no. 1:1-12 '61.

1. Botanical Department, Natural Historical Museum (Head: B. Zolyomi) and Medical University of Budapest (Head: B. Issekutz).

HUNGARY

KNOLL, Jozsef, Dr of med. sci., SCHEIBER, Eszter, MAGYAR, Kalman, NADHÁZY, Pal, FRIEDMANN, Tamas; Medical University of Budapest, Institute of Pharmacology (Budapesti Orvostudományi Egyetem, Gyógyszertani Intézet).

"Cellulin: A Cell Membrane Substance With a Cardiotonic Effect of a Special Mode of Action III. The Preparation of Cellulin-Containing Substances and Their Biological Titration in Frog and Mammalian Hearts."

Budapest, A Magyar Tudományos Akadémia V. Orvosi Tudományok Osztályának Közleményei, Vol XVI, No 4, 1965, pages 339-349.

Abstract: [Authors' Hungarian summary modified] It was shown that, after washing various mammalian tissues with a suitable ("separating") solution, cellulin enters the solution. The inside surface of frog skin proved to be the most successful in this respect; for this reason, it was used for the development of the "standard preparation" method. These "standard preparations" are lyophilized, yellowish-brown, completely water soluble powders 0.75-3 mg of which contain 1 unit of cellulin. The biological titration of cellulin in frog hearts was also worked out. The effectiveness is measured in units. The measurement is based on the fact that the heart, stopped in the diastole and in Ringer's solution containing 0.2 per cent KCl, can be made to function again in such a K concentration only by the

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SCHEIBER, Gabor; BANKI, Laszlo; VASARHELYI, Endre; SAVELY, Camillo;
MARK, Gergely, kutato

Possibilities for preparing and using pyrethrin containing
insecticides in Hungary. Magy kem lap 18 no.11:524-531 N '63.

1. Budapesti Vegyimuvek (for Scheiber, Banki, Vasarhelyi and Savely).
2. Kerteszeti Kutato Intezet (for Mark).

ALMASSY, Gyula; GATI, Ferenc; SCHEIBER, Gabor

Experiments for producing slow-acting fertilizers with trace elements. Magy kem lap 19 no.10/11:571-576 O-N '64.

1. Budapest Chemical Works (for Almasy and Scheiber). 2. Research Institute of Soil Science and Agrochemistry, Hungarian Academy of Sciences (for Gati).

SCHNEIDER, L.

SCHNEIDER, L.

Evaluation of systematic pre-operative urological examinations for abdominal tumors with reference to two unrecognized renal tumors.
Orv.hetil. 91 no.35:1065-1068 27 Aug 50. (CML 20:5)

1. Of the Second Surgical Department (Head Physician--Professor Dr. Endre Kubany1), Rokus Hospital.

KUBANYI, E.; SCHEIBER, L.

Parathyroid transplantation from mother to daughter in post-operative tetany. Orv. hetil. 92 no.19:616-617 13 May 1951.
(GIML 24:2)

1. Doctors. 2. Second Surgical Department (Head Physician -- Dr. Andre Kubanyi), Rokus Hospital.

SCHEIBER, L.

Acute pancreatitis after pseudocystic disease. Orv. hetil. 94 no.40:
1118-1119 4 Oct 1953. (CML 25:5)

1. Doctor. 2. Second Surgical Department (Head Physician -- Dr. Endre Kubanyi), Pest County Council (Rokos) Hospital (Deputy Director - Head Physician -- Dr. Henrik Hollan).

SCHEIBER, Lipot, dr.,; DERI, Tibor, dr.

Tuberculous cholecystitis. Orv. hetil. 96 no.41:1145-1147 9
Oct 55.

1. A Pestmegyei Tanács Kórháza (Rokus) igazgató: Puskas Elemer dr.)
kandidátus) és Præsecturájának (foorvos: Antal Pal dr.)
közleménye.

(TUBERCULOSIS

of gall bladder, incidence & etiol.)

(GALL BLADDER, diseases

tuberc., incidence & etiol.)

ANTAL, Pal, dr.; SCHEIBER, Lipot, dr.

Primary gelatinous carcinoma of the appendix. Orv. hetil.
97 no.29:810-811 15 July 56.

1. A Pestmegyei Semmelweis Korház (Rokus II. sz. Sebészeti
főorvos: Kubanyi, Endre dr.) és Kóronctani Osztálynak
(főorvos: Antal, Pal dr.) közl.

(CARCINOMA, COLLOID, case report
appendix, primary, (Hun))

(APPENDIX, neoplasms
colloid carcinoma, primary, case report. (Hun))

HUNGARY / Human and Animal Physiology: Internal
Secretion. Parathyroid Gland. T

Abs Jour: Ref Zhur-Biol., No 22, 1958, 102025.

Author : Guoth, Janos; Scheiber, Lipot; Csiky, Ildiko;
Damjanovich, Ida; Varga, Istvan.

Inst : Not given.

Title : Experiments with Strongly Cooled Transplants of
Parathyroid Gland. Histologic Study of Trans-
plants.

Orig Pub: Magyar allatorv. lapja, 1957, 12, No 7-9, 246-250.

Abstract: By heterotransplantation of cooled parathyroid
gland (CPG), it is possible to prevent temporarily
the changes in the organism of rabbit induced by
the removal of CPG. The transplant (T) of CPG de-
generates in the end, starting from the central
part. After 4 weeks the peripheral cells of T
still preserve the structure characteristic for

Card 1/2

SCHEIBER, Sandor

Janos Arany and the Munich Hungarian Society. Magyar tud 69
no.9:591-593 S '62.

1. Foiskolai igazgato.

WIRTH, F.; SCHEIBL, J.

Comments on the article "Problems of public health organiza-
tion in a socialized district" by Dr. Laszlo Pataky. Nepe-
geszsegugy 45 no.1:29-30 Ja'64.

*

SCHEIBL, J.

Intramuscular injection of strophanthin. Orv. hetil. 105 no.16:
763-764 19 Ap^t64

*

SCHETNER, E.; SCHEIBNEROVA, V.

"The age of the Praznov strata in the Vah River basin."

p. 40 (Geologicky Sbornik, Vol. 9, no. 1, 1958, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, no. 9,
September 1958

HOUSA, Vaclav, promovany geolog; SCHEINER, Ervin, promovany geolog;
STRANIK, Zdenek, promovany geolog.

Tithonian stratigraphy of West Carpathians. Geol. sbor. 14
no.1:3-17 '63.

1. Geological Institute, Czechoslovak Academy of Sciences,
Praha 2, Spalena 49 (for Housa). 2. Department of Geology
of the Faculty of Natural Sciences, J.A.Comenius University,
Bratislava, Gottwaldovo namesti 2 (for Schreiber). 3. Central
Geological Institute, Prague 1, Hradebni 9 (for Stranik).

SCHEIENER, Ervin, promovany geolog

The possibility of paleographical reconstructions in the
klippen belt on the basis of analysis of tectonic building. Geol. sbor. 14 no.1:29-35 '63.

1. Department of Geology of the Faculty of Natural Sciences,
J.A.Comenius University, Bratislava, Gottwaldovo namesti 2.

SCHEIBNER, Ervin, promovany geolog

Contribution to the knowledge of the muchisonae beds
in the klippen belt of the West Carpathians in Slovakia.
Geol sbor 15 no.1:27-55 '64.

1. Chair of Geology, Faculty of Natural Sciences, J.A.
Comenius University, Bratislava, Gottwaldovo namesti 2.

SCHEIENEROVA, V.

Find of microfauna in the Lias of the cliff zone in the vicinity of Zazriva. p.335

KRASY SLOVENSKA (Poverenictvo dopravy. Riaditelstvo pre cestovny ruch)

Bratislava Czechoslovakia
Vol. 10, no. 2, 1959

Monthly list of East European Accessions (EEAI) LC. VOL. 9, no. 1 January 1960

Uncl.

SCHEIBNEROVA, Viera

CZECHOSLOVAKIA

Prom. geol.

Chair of Paleontology, Department of Natural Sciences,
UK (Comenius University - Universita Komenskeho),
Gottwaldovo nam. 2, Bratislava

Bratislava, Geologicky Sbornik, No. 2, 1962, pp 197-226

"Stratigraphy of the Middle and Upper Cretaceous of
the Mediterranean Area on the Basis of Globotruncanids"

ANDRUSOV, Dimitrij, prof. dr.; SCHEIBNEROVA, Viera, promovany geolog.

On the origin of redepositions of Foraminifera in the Cretaceous and Paleogene of Carpathians. Geol. sbor. 14 no.1:145-148 '63.

1. Department of Geology of the Faculty of Natural Sciences, J.A.Comenius University, Bratislava, Gottwaldovo namesti 2 (for Andrusov); 2. Department of Paleontology of the Faculty of Natural Sciences, J.A.Comenius University, Bratislava, Gottwaldovo namesti 2 (for Scheibnerova).

SCHEIDA, N.; SZABO, T.; AHLERS, I.; LUKACI, J.; ZELENAK, P.

Acute renal failure in sunstroke. Cas. lek. cesk. 104 no.37:
1012-1016 17 S '65.

1. Hemodialyzacna stanica pri internom oddelenie Vojenskej
nemocnice v Kosiciach (nacelnik MUDr. J. Matejka), Ustav
pre sudne lekarstvo Lekarskej fakulty Univerzity P.J. Safarika
v Kosiciach (prednosta porf. J. Lukaci) a Chirurgicke oddelenie
Vojenskej nemocnice v Kosiciach (nacelnik MUDr. S. Simko, CSc.).

AHLERS, I.; SCHEIDA, N.; KÖRTVELYESSY, S.; MATEJKA, J.; SZABO, T.

Diagnostic value of the intravenous tolbutamide test in kidney diseases. Cas. lek. Cesk. 104 no.49/50:1372-1374 10 D '65.

1. Interne oddelenie Vojenskej nemocnice v Kosiciach (veduci MUDr. J. Matejka) a Centralne laboratorium Vojenskej nemocnice v Kosiciach (veduci MUDr. S. Körtvelyessy).

AHLERS, Ivan; SCHEIDA, Norbert; SZABO, Tibor

Gilbert-Lereboullet type of hyperbilirubinemia occurring in
3 generations. Vnitri lek. 11 no.2:162-167 F '65

1. Interne oddelenie Vojenskej nemocnice v Kosiciach (pred-
nosta: MUDr. J. Matejka).

AHLERS, I.; KORTVELYESSY, S.; MATEJKA, J.; SCHEIDOVA, L.; SCHEIDA, N.;
SZABO, T.

Diagnostic importance of the intravenous tolbutamide test.
Cas. lek. cesk. 103 no.37:1022-1025 11 S '64.

1. Interne oddelenie vojenskej nemocnice v Kosiciach, (veduci
MUDr. J. Matejka); Centralne laboratorium vojenskej nemocnice
v Kosiciach (veduci MUDr. S. Kortvelyessy) a Infekcne oddelenie
Fakultnej nemocnice v Kosiciach (veduci MUDr. T. Mittermayer).

SCHEIDER, G.

SCHEIDER, G. : PLIVA, J.

"Vibrational Spectra of Some Halogenated Silanes. I. Dynamic and Potential Constants and Thermodynamic Functions of Substances in Series $\text{SiCl}_n\text{Br}_{4-n}$ ", P. 336, (CHEMICKE LISTY, Vol. 48, No. 3, Mar. 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 1, Jan. 1955, Uncl.

L 23146-66 EWP(t) JD

ACC NR: AP6010705

SOURCE CODE: GZ/0034/65/000/004/0281/0284

AUTHOR: Scheidig, Klaus

ORG: Mining Academy, Freiberg

TITLE: Influence of fuels with extremely different characteristics upon the operation of a small shaft furnace in North Vietnam, 18

SOURCE: Hutnicke listy, no. 4, 1965, 281-284

TOPIC TAGS: coal, coke, furnace, iron oxide

ABSTRACT: Experiments were conducted on a pilot-plant size furnace of 13 cubic meter volume; anthracite or coke briquets were used. When the amount of coke was increased above 30% the air pressure decreased and the air flow increased. This was due to lower bulk density of the coke (20%), and its greater strength (50%). The utilization of the furnace gas deteriorated because of higher furnace loadings and the higher reaction activity of coke. Anthracite reactivity depends to a great extent on the size of its grain because of its low porosity. Coke has 46-55% porosity; its reactivity decreases with its strength and its degree of carbonization; it increases with its Fe_2O_3 content. Orig. art. has: 5 figures and 4 tables. [JPRS]

SUB CODE: 13 / SUBM DATE: none / ORIG REF: 001 / OTH REF: 012

Card 1/1 ULR

AHLERS, I.; KORTVELYESSY, S.; MATEJKA, J.; SCHEIDOVA, L.; SCHEIDA, N.;
SZABO, T.

Diagnostic importance of the intravenous tolbutamide test.
Cas. lek. cesk. 103 no.37:1022-1025 11 S '64.

1. Interne oddelenie vojenskej nemocnice v Kosiciach, (veduci
MUDr. J. Matejka); Centralne laboratorium vojenskej nemocnice
v Kosiciach (veduci MUDr. S. Kortvelyessy) a Infekcne oddelenie
Fakultnej nemocnice v Kosiciach (veduci MUDr. T. Mittermayer).

SCHEIN, B.M.

Relation algebras. Bul Ac Pol math 13 no.1:1-5 '65.

1. Saratov State University, U.S.S.R. Submitted October
26, 1964.

SCHEIL, Antal

Frequency and amplitude variations at magnetic sound recording devices. Kep hang 8 no.6:166-173 D '62.

1. Magyar Radio Fejlesztési Osztaly.

ANTAL, Istvan; SCHEIDL, Antal; STEINBACH, Sandor

Hungarian-Russian electroacoustical nomenclature. Kép
hang 10 no. 1:25-28 F '64.

1. Magyar Radio Muszaki Fejlesztési Osztály.

MITTERMAYER, T.; SCHEIDOVA, L.; TARABCAK, M.; MILOSOVICOVA, A.; ZELENKOVA, V.

Epidemic of Q fever in the Kosice region. Bratisl. lek. listy
44 no. 5: 288-295 '64.

1. Infekčné oddelenie Fakultnej nemocnice v Kosiciach (veduci:
prim. MUDr. T. Mittermayer), a Krajska hygiencko-epidemiologic-
ka stanica v Kosiciach (riaditel' MUDr. I. Kratochvil).

*

SCHEILING, Antal

Drying apparatus. Magyar kem lap 19 no. 12:637-639 D '64.

1. United Drug and Nutrient Factory, Budapest.

L 60285-65 EWT(d) IJP(c)

ACCESSION NR: AP5021196

CZ/0045/64/000/004/0259/0262

AUTHOR: Schein, Boris M. (Shayn, Boris M.)(Saratov)

TITLE: Generalized groups with the well-ordered set of idempotents

SOURCE: Matematicko-fyzikalny casopis, no. 4, 1964, 259-262

TOPIC TAGS: group theory

Abstract (English article, Author's Russian summary, modified):
The following theorem is proved: If the set of all idempotents
of a generalized group is well-ordered (in the canonical order
relation of that generalized group), the given generalized group
is Cliffordian (that is, it satisfied the condition $gg^{-1} = g^{-1}g$
for any element g). Orig. art. has 3 formulas.

ASSOCIATION: Kafedra geometrii mekhaniko-maticheskogo fakul'teta Saratovskogo
gosudarstvennogo universiteta, Saratov SSSR (Department of Geometry of the Mechanics
and Mathematics Faculty, Saratov State University)

SUBMITTED: 19May64

ENCL: 00

SUB CODE: MA

NO REF SOV: 005

OTHER: 002

JPES

Card 1/1 *lyp*

EXCERPTA MEDICA Sec 18 Vol 3/8 Cardio. Dis. Aug 59

2268. Cell metabolism of the overloaded mammalian heart in situ SZEKERES L. and SCHEIN M. Dept. of Pharmacol., Univ. Med. Sch., Pecs (Hungary) *Cardiologia (Basel)* 1959, 34/1 (19-27) Graphs 1 Tables 8

Myocardial metabolism of rats with acute experimental heart failure due to constriction of the ascending aorta has been investigated. Cardiac metabolism in this type of experimental heart failure was characterized by an impairment of energy production. The changes in cardiac metabolism in failure were very similar to those observed in acute hypoxia of the arterial type. The synthesis of high energy phosphate esters is decreased, oxidative as well as anaerobic processes involved in energy production are depressed. It seems possible that myocardial hypoxia (probably of the stagnant type) is responsible for the disturbance of the cardiac energy production also in cases of experimental heart failure due to overloading. (XVIII, 2, 6*)

ZAPLETAL, B., MUDr; SCHEINAR, J., MUDr

Organic changes of the pontocerebellar angle producing a picture of genuine trigeminal neuralgia. Rozhl.chir. 34 no.4:253-257 Apr 55.

1. Z chirurgické kliniky Palackého university v Olomouci. Přednosta:
prof. MUDr Vladislav Rapant

(TRIGEMINAL NEURALGIA, etiology and pathogenesis
pontocerebellar angle lesions)

(PONS, diseases
pontocerebellar lesion causing right trigeminal neuralgia)

(CEREBELLUM, diseases
pontocerebellar lesion causing right trigeminal neuralgia)

SCHZINAR, J.; KUCERA, J.

Significance of intramuscular administration of streptokinase in various inflammatory urological diseases. Rozhl. chir. 37 no.5: 322-325 May 58.

1. Chirurgická klinika PU v Olomouci, prednosta prof. Dr. Vl. Rapant.

J. Sch., Olomouc, Na trati 81.)

(STREPTODORNASE AND STREPTOKINASE, ther. use
urol. inflamm., intramusc. admin. (Cz))

(URINARY TRACT, dis.
inflamm., intramusc. streptodornase-streptokinase ther. (Cz))

HECZKO, P.; SCHEINAR, J.

On the problem of work incapacitation in women with diseases of the efferent urinary tract in diseases of genital organs. Cesk. gynek. 30 no.5:345-348 Je '65.

1. Gyn.-por. klin. (prednosta doc. dr. F. Gazarek, CSc.) a urolog. klin. (prednosta prof. dr. J. Kucera, DrSc.) lek. fak. Palackeho University v Olomouci.

SCHEINAR, J.; SCHEINAROVA, A.

Mucosal anesthesia of the urethra with xylocaine in endoscopic procedures. Rozhl.chir.39 no.7:469-473 J1'60.

1. Chirurgická klinika PU v Olomouci, prednosta prof. MUDr. Vl.Rapant.
(CYSTOSCOPY anesth. & analgesia)
(ANESTHESIA, LOCAL)

SCHEINAR, Jiri

Malignant general infection with circulatory failure (bacteremic shock). Rozhl.chir.39 no.7:474-477 J1'60.

1. Chirurgická klinika PU v Olomouci, prednosta prof. MUDr.

Vl. Rapant.

(SEPTICEMIA compl)

(SHOCK etiol)

PYSZKO, J.; SCHEINAR, J.

Metastasis into the brain of Grawitz tumors. Rozhl. chir. 41 no.6:
420-423 Je '62.

1. Chirurgická klinika lékařské fakulty University Palackého v Olomouci, přednosta prof. dr. Vl. Rapant, DrSc.

(ARRHENOBLASTOMA pathology)
(BRAIN NEOPLASMS pathology)

SCHEINAROVA, A.; SCHEINAR, J.

Advantages of mucosal anesthesia during endoscopic interventions
urological conditions. Rozhl. chir. 41 no.11:776-779 N '62.

1. Chirurgická klinika lékařské fakulty Palackého university v
Olomouci, přednosta přednosta prof. dr. Vl. Rapant, DrSc.
(ANESTHESIA LOCAL) (ENDOSCOPY) (UROLOGY)

SCHEINAR, J.

Our experiences with ureterocystoneostomy. Rozhl. chir. 43 no.3:
158-163 Mr'64

Ureterocystoneostomy with stretching and fixation of the bladder:
Ibid: 164-167 -

1. I. chirurgicka klinika lek. fakulty PU v Olomouci; prednosta:
prof.dr. Vl. Rapant, DrSc.

*

SCHEINAR, J.; SCHEINAROVA, A.

Mucosal anesthesia of the urethra with xylocaine in endoscopic procedures. Rozhl.chir.39 no.7:469-473 J1'60.

1. Chirurgická klinika PU v Olomouci, prednosta prof. MUDr. Vl.Rapant.
(CYSTOSCOPY anesth. & analgesia)
(ANESTHESIA, LOCAL)

SCHEINAROVA, A.; SCHEINAR, J.

Advantages of mucosal anesthesia during endoscopic interventions
urological conditions. Rozhl. chir. 41 no.11:776-779 N '62.

1. Chirurgická klinika lékařské fakulty Palackého university v
Olomouci, přednosta přednosta prof. dr. Vl. Rapant, DrSc.
(ANESTHESIA LOCAL) (ENDOSCOPY) (UROLOGY)

SCHEINEROVA, Viera, promovany geolog

Cretaceous stratigraphy and Cretaceous-Tertiary boundary in the
klippen belt on West Carpathians. Geol. sbor. 14 no.1:127-138 '63.

Some new Foraminifera from the Middle Turonian of the klippen
belt of West Carpathians in Slovakia. 139-143

1. Department of Paleontology of the Faculty of Natural Sciences,
J.A.Comenius University, Bratislava, Gottwaldovo namesti 2.

SCHEINER, A.

"Arteries of our industry." (p.103). VEDA A TECHNIKA MLADÉZI. (Ceskoslovenský svaz mládeže) Praha. No. 4, 1954.

SO: East European Accessions List, Vol. 3, No. 8, Aug 1954.

SCHEINER, A.

Work in the A. S. Popov Research Institute of Telecommunication.

P. 35, (Sbirke Vynalezu) Vol. 6, no. 2, Feb. 1957, Praha, Czechoslovakia

SO: Monthly Index of East European Acessions (EEAI) Vol. 6, No. 11 November 1957

SCHEINER, A.

Patent drawings. p.109.

(Sbirka Vynalezu, Vol. 6, No. 6, June 1957, Praha, Czechoslovakia)

SC: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 9, Sept. 1957. Uncl.

SCHEINER, A.

Patent classification of calculating machines. p. 10.

VYNALEZY. (Urad pro patenty a vynalezy) Praha, Czechoslovakia. Vol. 3, no. 10, Oct. 1959.

Monthly list of East European Accessions (EEAI), Vol. 9, no. 1, Jan. 1960

Uncl.

S/271/63/000/003/033/049
A060/A126

AUTHOR: Scheiner, Artuš

TITLE: Computing instrument for solving linear programming problems

PERIODICAL: Referativnyy zhurnal, Avtomatika, telemekhanika i vychislitel'naya tekhnika, no. 3, 1963, 25, abstract 3B142 P (Czech. pat., class 42m, 14, no. 102163, December 15, 1961)

TEXT: Patented is a method for constructing a grid-type computing unit designed for solving linear programming problems and, in particular, for solving transport problems. The main drawback of known devices of a similar kind is the low precision caused by fluctuations in the supply voltage and by arbitrary variations in the parameters of the separate impedances. In the patented network this drawback is eliminated by using the compensation method. Every component of the grid represents a potentiometer to the brush of which the input AC signal is connected. The two output leads are connected through diodes to the terminal leads of another potentiometer from whose brush an output signal is taken off. As result of this interconnection the output signal represents the difference

Card 1/2

Computing instrument for solving linear

S/271/63/000/003/033/049
A060/A126

between the effective values of the positive and negative half-waves of the AC supply. The resultant amplitude of that signal depends here on the relative positions of the brushes and is independent of the absolute values of the potentiometer resistances. There are 9 figures.

D. I.

[Abstracter's note: Complete translation]

Card 2/2

SCHEINER, C.

Most rational form of labor organization; the brigade; contribution of norm planners. p. 2.

Vol. 7, no. 284, June 1955
CONSTRUCTORUL
Eucuresti, Rumania

Source: East European Accession List. Library of Congress
Vol. 5, No. 8, August 1956

SCHEINER, L.

SCHEINER, L. What everyone who uses coal as a fuel should know; reply to a question. p. 30

Vol. 8, no.11, Nov. 1956

STANDARDIZAREA

TECHNOLOGY

Bucuresti, Rumania

So: East European Accession, Vol. 7, no. 3, March 1957

SCHNEIDER, L.

Complying with standards secures quality of products.

P. 603 (STANDARDIZAREA) (Bucuresti, Rumania) Vol. 9, no. 11, Nov. 1957

SO: Monthly Index of East European Accessions (MEAI) LC Vol. 7, No. 5. 1958

POSPISIL, L.; SCHEJBAL, V.; UHER, J.

A contribution to tumor serology. 1. Serum hetero-agglutinins
in rats and their behavior in transplanted BS rat tumor. Neoplasma,
Bratisl. 7 no.1 suppl:35-38 '60.

(NEOPLASMS immunol)

SCHEJBAL, V.

Metastasizing glioma in childhood. Neoplasma 9 no.6:585-592 '62.

1. The Second Anatomico-pathological Institute, Medical Faculty, J.E.
Purkyne University, Brno, CSSR.
(GLIOBLASTOMA MULTIFORME)

DLUHOS, M.; HABANEC, B.; SCHEJBAL, V.

Tumors of childhood in our practice. A statistical analysis of the necropsy material of the Second Institute of Pathological Anatomy, Medical Faculty, J.E. Purkyne University, Brno, autopsied in the years 1955-1961. Neoplasma 10 no.1:75-82 '63.

1. IIInd Institute of Pathological Anatomy, Medical Faculty, J.E.Purkyne University, Brno, CSSR.
(NEOPLASMS) (PATHOLOGY) (STATISTICS)

HABANEK, B.; SCHEJBAL, V.; DLUHOS, M.

Tumors of neuroectodermal tissue in childhood . I. Central nervous system tumors. Bratisl. lek. listy 44 no.11:684-687
D 15 '64

1. II. patologicko-anatomicka katedra lekarske fakulty University J.E.Purkyne v Brne (vedouci - prof. MUDr. M. Dluhos, DrSc.).

SCHEJBAL, V.; DLUHOS, M.; HABANEC, B.

Tumors of neuroectodermal tissue in childhood. II. Tumors of the peripheral nerves. Bratisl. lek. listy 44 no.12:725-727 D 31 '64

1. II. patologicko-anatomická katedra lékařské fakulty Univerzity J.E. Purkyně v Brně (vedoucí - prof. MUDr. M. Dluhos, DrSc.).

Schejbalova, L.

SONKA, J.; SCHEJBALOVA, L.

Elimination of epithelia cells of the urinary tract. Cas.lek.cesk.
(CLML 19:4)
89 no.25:724-726 23 June 50.

1. Of the Third Internal Clinic (Head--Prof. J.Charvat, M.D.)

4c

L 33603-65 EWT(m)/EPF(c)/EPF(n)-2/ENG(m)/EPR Pr-4/PS-4/Pu-4
 Z/0038/65/000/001/0009/0011 32
 ACCESSION NR: AP5009492

AUTHOR: Berak, Lubomir; Dlouhy, Zdenek (Dlougi, Z.); Kepak, Frantisek; Napravnik, Jiri (Napravnik, Y.); Ralkova, Jarmila (Ralkova, Ya.); Saidl, Jaroslav (Saidl, Ya.); Schejbalova, Ludmila (Schejbalova, L.); Vesely, Vladimir (Vesel, V.); Zaruba, Josef (Zaruba, Y.)

TITLE: Problems of radioactive wastes being solved in the Institute of Nuclear Research of the Czechoslovak Academy of Sciences

SOURCE: Jaderna energie, no. 1, 1965, 9-11

TOPIC TAGS: radioactive waste disposal, radioactive waste disposal equipment

ABSTRACT: Investigations of radioactive waste disposal are reviewed. Some methods developed and proved are briefly described. Several of them became a basis for pilot plant and full operation equipment design and construction. Orig. art. has: 3 figures.

ASSOCIATION: Ustav jaderného výzkumu CSAV, Rez (Institute for Nuclear Research, CSAV)

SUBMITTED: 00 ENCL: 00 SUB CODE: NP
 NO REF SOV: 000 OTHER: 017 NA
 Card 1/1

SCHEJTANOW, Ch. [Sheitanov, Kh.]; KONSTANTINOVA, M.; CAVDAROVA, R.
[Chavdarova, R.]

Automatic microcoulometric titration of bases. Doklady BAN 17
no. 8:721-724 '64.

1. Vorgelegt von Akademiemitglied D.Ivanov.

KIS, J. (Budapest); SCHEJTANOW, Chr. (Sofia)

Coulometric determination of iodide in a small quantity through inner electrolysis. Periodica polytechn chem 4 no.2:163-170 '60.

(EEAI 10:4)

1. Institut fur Anorganische Chemie der Technischen Universitat, Budapest (for Kis). 2. Chemisch-technologisches Institut, Sofia (for Schejtanow)

(Coulometry)

(Iodides)

(Electrolysis)

SCHEK, I.

"Plant cultivation; 4,200 kilograms of cornstalks from one hectare."

p. 16 (Drumul Belsugului) No. 10, Oct. 1957
Bucharest, Rumania

SO: Monthly Index of East European Accessions (EEAI) IC. Vol. 7, no. 4,
April 1958

SCHEL, V.

Centrifugal casting of bearings from lead bronze with the help of high-frequency current in the Ernest Thalmann Tractor Factory in the city of Stalin.
p. 31.

METALURGIA SI CONSTRUCTIA DE MASINI

Vol. 8, no. 1, Jan. 1956

Rumania

Source: EAST EUROPEAN LISTS Vol. 5, no. 10 Oct. 1956

SCHIELER, W.

On a classification of protoporphyrin derivatives. Acta physiol.
hung. 16:Suppl.:4-5 '59.

1. Institut für Medizin und Biologie der Deutschen Akademie der
Wissenschaften zu Berlin -Arbeitsbereich Pharmakologie-
(PORPHYRINS)

SCHELKEN, Maria

Electric analogue computer for spectrum analysis. Musz elet
18 no.9:6 25 Ap '63.

SCHELKOVA, G.

26

Sofia, Borisov, Belozerskov Khimichii Nauk, Vol 14, no 3, 1961

1. Distribution of Tangential Planes to Surfaces of the Consequences of Straight Lines in the Hyperbolic Space" A. PAVLEEV; pp 235-237.
2. "Measuring the Activation Energy of Adsorption Levels in Lead sulfide" IV. BAEV and L. EVANOV; pp 239-242 (English Summary)
3. "A New Precise Differential Microtome for Laboratory Purposes" L. BOJADZIEV and I. SCHOPPOV; pp 243-246.
4. Microquantitative Determination of Chlorine and Iodine Ions" N. GANCHEV and K. KOEV; pp 247-250.
5. "Comparative Amino Acid Content of the Meats of Some Fuit Stones" S.I. YANOV; pp 251-254.
6. "One Method of Removing Sulfur from The Kremikovec Limonite Ore" N. YANKIEV; pp 255-257.
7. "Absorption of Nitrogen Oxides in the Vibrating Phase of Sodium Peroxide Solutions. Part II" D. KIREV, Chr. BULGAREV, I. BOJADZIEV and D. LABALEV; pp 259-262.
8. "On the Rate of Absorption of Pure Gases" D. KIREV, D. KIREV and C. BALANOV (IN ENGLISH) pp 263-266.
9. "Effect of Some Inorganic Additives on the Reduction of Copper Oxide by Carbon Dioxide at Low Temperatures" M.S. KURCHALOV; pp 267-270.
10. "Begarits from the Radva Mine, Panaghyur Basin" T.G. EDJONOV; pp 271-274 (English Summary).
11. "Aluminum Saponite from Svetluka, Ardin Basin" T. TODOROVA; pp 275-278 (English Summary).
12. "Regarding the Experimental Variability of Escherichia coli" S. CHALASOV; pp 279-281.
13. "Studies on the Formation of Capsule by Certain Strains of Bacillus anthracis in vitro" G. IV. HADJIEV; pp 283-285.
14. "Antimiotics and the Reticulo-endothelial System Fixation Activity in Mice Treated with -Glutamate Iron Saccharate" M. TOTIROV, G. SCHELKOVA and D. STOYANOV; pp 287-290.
15. "Electron Microscopic Study of Lungs of Snakes" H. KRASEV; pp 291-294.
16. "Human Leptospirosis Due to Leptospira saxoeboing in Bulgaria" I. KUDJORGIEV; pp 295-299.

Distr: 4E2c(j)

The synthesis of betainyliso-butylamine and betainyliso-
amylamine chlorides. Horst D. Schell. *Comm. Acad. Sci. Rep. populare Romania* 5, 1071-7 (1955). For the synthesis
of betainyliso-butylamine, *N*-chloroacetyliso-butylamine
was prepd. by dissolving 2 g. iso-BuNH₂ in 25 cc. 10% Na-
OH, cooling in salt and ice, and treating with 3.1 g. mono-
chloroacetic acid chloride in 7 cc. toluene. The addn. of the
latter is done in small portions over 20 min., stirring after
each addn. After 18 min. the mixt. is acidified with HCl
and the *N*-chloroacetyliso-butylamine is extd. with 6 cc.
CHCl₃, which then is removed on a water bath. The compd.
is then treated in a closed tube at room temp. with excess
alc. Me₂N. After 3 days the 1st crystals appear. They
are washed with ether and dried. The betainyliso-butyl-
amine chloride is recovered with excess hot acetone, m. 205-
7°. For synthesizing betainyliso-amylamine, *N*-chloro-
acetyliso-amylamine was prepd. from monochloroacetic acid
chloride and iso-amylamine. The *N*-chloroacetyliso-amyl-
amine is then used directly, without sepn. from the toluene,
for prepn. of betainyliso-amylamine. It is treated at room
temp. in a closed tube with excess 21% alc. Me₂N. The
crystals appear in 3 days, are sepd. by cooling, rinsed with
ether, dried, dissolved in a little alc., and pptd. with ace-
tone, m. 216-18°. Felicitas D. Goodman

2
2 May.

g

Horst D. Schell

5
2 May

Curare-like bisquaternary ammonium salts with amide functions. I. Bis(oniumacetyl) derivatives of *o*-, *m*- and *p*-phenylenediamine, benzidines, and *o*-dianisidines. 7 Spri- don D. Gheorghe and Horst D. Schell. *Rev. chim., Acad. rep. populare Roumaine* 2, 317-23 (1957) (in German). Condensation of (m.p. given) bis(chloroacetyl)-*o*-phenylene- diamine, 203-4°; bis(chloroacetyl)-*m*-phenylenediamine, 215-17°; bis(chloroacetyl)-*p*-phenylenediamine, above 360°; bis(chloroacetyl)benzidine, above 360°; and bis(chloroacetyl)-*o*- dianisidine, 219°, with the corresponding amine (no details given) gave the following (m.p. given): bis(1-piperidyl- acetyl)-*o*-phenylenediamine, 168-9°; *m*-isomer, 111-12°; *p*-isomer, 217-18°; bis(1-piperidylacetyl)benzidine, 214-15°; bis(1-piperidylacetyl)-*o*-dianisidine, 214°. Conden- sation with a tertiary amine or pyridine followed by quat- ernization with an alkyl halide gave (m.p. with decompn.): bis(trimethylammoniumacetyl)-*o*-phenylenediamine dichloride, 168-70°; *m*-isomer, 236-8°; *p*-isomer, 283-6°; bis(trimethyl- ammoniumacetyl)benzidine dichloride, 288-90°; bis(tri- methylammoniumacetyl)-*o*-dianisidine dichloride, 240-50°; bis(triethylammoniumacetyl)-*o*-phenylenediamine dichloride, 254-6°; *m*-isomer, 222-4°; *p*-isomer 349-50°; bis(triethyl- ammoniumacetyl)benzidine dichloride, 243-4°; bis(triethyl- ammoniumacetyl)-*o*-dianisidine dichloride, 224-5°; bis(py- ridiniumacetyl)-*o*-phenylenediamine dichloride, 111-12° (without decompn.); *m*-isomer, above 360°; *p*-isomer, above 360°; bis(pyridiniumacetyl)-*o*-dianisidine dichloride, above 360°; bis(pyridiniumacetyl)-*o*-phenylenedi- amine diiodide, 218-17° (dichloride, 212-13°); *p*-isomer di- iodide, 155-60° (dichloride, 245-6°); bis(1-methylpiperidiniumacetyl)benzi- dine diiodide, 259-80° (dichloride, 260-1°); bis(1-methyl- piperidiniumacetyl)-*o*-dianisidine diiodide, 223-4° (dichlo- ride, 215-17°); bis(1-ethylpiperidiniumacetyl)-*o*-phenylene- diamine diiodide, 193-6° (dichloride, 203-6°); *m*-isomer diiodide, 130-5° (dichloride, 214-16°); *p*-isomer diiodide, 228-9° (dichloride, 230-1°); bis(1-ethylpiperidiniumacetyl)- benzidine diiodide, 258-60° (dichloride, 290-1°); bis(1-ethyl- piperidiniumacetyl)-*o*-dianisidine diiodide, 246-8° (dichlo- ride, 251-2°). Richard F. Riley

RUMANIA / Organic Chemistry. Organic Synthesis.

G-2

Abs Jour: Ref Zhur-Khimiya, No 10, 1959, 34893.

Author : Gheorghe, S., Schell, H.

Inst : Not given.

Title : Bis-Quaternary Salts of Ammonium with Functions of Amides and Possessing Curative Properties. I. Bis-Onium Acetyl Derivatives of o-, m-, and p-Phenylenediamine of Benzidine and of O-Dianisidine.

Orig Pub: Comun. Acad. RPR, 1958, 8, No 4, 365-370.

Abstract: For the purpose of establishing reasons for the inferior curative properties of the well known quaternary salts of ammonia having an amide group in their molecule, and having general formulas $(CH_2)_2 \sqrt{NHCO(CH_2)_2 N^+ R^1 R^2 R^3 X^-} / 2$ and $(CH_2)_2$

Card 1/6

G-36

RUMANIA / Organic Chemistry. Organic Synthesis.

G-2

Abs Jour: Ref Zhur-Khimiya, No 10, 1959, 34893.

Abstract: $\left[\text{CONH}(\text{CH}_2)_2 \text{N}^+ \text{R}' \text{R}'' \text{R}''' \text{X}^- \right]_2$ an attempt was made in increasing their lipophylic properties by the introduction of 1, 2, and 3 aromatic rings in between the quaternary nitrogen atoms. Substances of the following general formula were synthesized: $\text{R} \left[\text{NHCO}(\text{CH}_2)_m \text{N}^+ \text{R}' \text{R}'' \text{R}''' \text{X}^- \right]_2$, where R = phenylene or diphenylene, m = 1 or 2; $\text{R}' = \text{R}'' = \text{R}''' = \text{CH}_3$ or C_2H_5 ; $\text{NR}'\text{R}'' = \text{piperidyl}$, $\text{R}''' = \text{CH}_3$ or C_2H_5 , $\text{NR}'\text{R}''\text{R}''' = \text{pyridyl}$; X = I or Cl, from o-, m-, and n-phenylenediamine (I), from benzidine (II) and from o-dianiside (III) respectively in which m = 1 and X = I or Cl. These substances were obtained by condensation of CH_3COCl with diamines carrying reactions via bis-

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